

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (new)      An x-ray detector comprising:

a plurality of detector units operatively associated with a detection surface;

individual detector units including a sensor element and read-out circuit such that the sensor elements and the read-out circuitry are spatially separated transversely to the detection surface; and

an x-ray shielding member at least partially between individual sensor elements and individual read-out circuits,

wherein in the x-ray shielding member an interruption is left open, and

a signal connection from the sensor element to the read-out circuit passes through the interruption.

8. (new)      An x-ray detector as claimed in claim 7, wherein the x-ray shielding member extends over several detection units.

9. (new)      An x-ray detector comprising:

a number of detector units operatively associated with a detection surface;  
individual detector units having a sensor element and read-out circuit so that the sensor elements and the read-out circuitry are spatially separated transversely to the detection surface; and

an x-ray shielding member with at least a portion between individual sensor elements and individual read-out circuits,

wherein adjacent read-out circuits are separated by transverse absorption units.

10. (new) An x-ray detector comprising:

one or more detector units arranged in a detection surface;  
each detector unit having a sensor element and read-out circuit such that each sensor element and each read-out circuitry spatially separated transversely to the detection surface; and  
an x-ray shielding member with at least a portion between individual sensor elements and individual read-out circuits,

wherein adjacent read-out circuits are separated by transverse absorption units and the transverse absorption units are integrated in the x-ray shielding member.

11. (new) An x-ray detector as claimed in claim 10, wherein within individual detector units, the sensor element and the read-out circuit are offset parallel to the detection surface.